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1 Amendment After Final P30247_AMEND.pdf 2678274 no 34	Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
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Warnings:

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National Stage of an International Application under 35 U.S.C. 371

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drum and the fins as time goes on.

Despite the above-noted problems, trucks with metallic mixing fins have been designed to operate fairly well in the past. However, it is generally recognised that the efficiency of a mixing system as a whole will be enhanced if such problems could be ameliorated.

It is clear, then, that there has existed a long and unfilled need in the art for mixing fins which have greater resistance to abrasion, which do not become roughened as they wear, and which are more lightweight than mixing fins which have been heretofore known.

It is known from US-A-3328006 to provide a concrete mixer drum, which is provided with internal spiral blades to mix the concrete upon rotation of the drum, and also to assist in the discharge of the concrete after mixing has been completed. However, the use of internally mounted blades (or fins) made of metal are subject to the disadvantages referred to above.

It is also known from EP-A-0211279 to provide mixing apparatus for mixing liquid and liquid suspension mediums, which comprises a rotatable impeller comprising a central drive shaft, and radially outwardly projecting

(iii) said at least one helical mixing fin comprising at least two separable fin sections joined to one another; and,

(b) said means for securing the fin means comprises a metal insert which is positioned with a portion thereof embedded within said at least one helical mixing fin; said metal insert including a portion for connecting to said outer wall.

Preferred embodiments of concrete mixer drum assemblies according to the invention will now be described in detail with reference to the accompanying drawings, in which:

Figure 1 is a side elevational view of a mobile system for mixing and dispensing concrete according to a first preferred embodiment of the invention; Figure 2 is a fragmentary elevational view of a portion of the mixing system illustrated in Figure 1; Figure 3 is a cross sectional view taken along lines 3-3 in Figure 2;

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